

Amendments to the Claims:

The listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently Amended) A method for routing application-level messages in a message
2 routing network, comprising:
 - 3 **(a) providing a message routing network for exchanging application-level messages**
 - 4 **between services, said message routing network being built on an open platform overlaying**
 - 5 **a public network and managing a plurality of services, each of said services being**
 - 6 **accessible by a plurality of services according to properties and permissions associated with**
 - 7 **each service in said plurality of services;**
 - 8 **(a) (b) invoking a first service among the plurality of services during a logical routing**
 - 9 **of an application-level message in said message routing network, said logical routing allowing**
 - 10 **said first service to act on said message without said message being physically delivered to**
 - 11 **said first service over said public network,** said first service invocation having a first context;
 - 12 and
 - 13 **(b) (c) invoking a second service among the plurality of services during said logical**
 - 14 **routing of said message in said message routing network, said logical routing allowing said**
 - 15 **second service to act on said message without said message being physically delivered to**
 - 16 **said second service over said public network,** said second service invocation having a second
 - 17 context that is defined at least in part by said first service.
- 1 2. (Original) The message routing method of claim 1, wherein a context to an invocation
2 includes an identity of an invoker service.
- 1 3. (Original) The message routing method of claim 1, wherein a context to an invocation
2 includes arguments to an invoked service.
- 1 4. (Original) The message routing method of claim 1, wherein a context to an invocation
2 includes a session identifier for said message.

1 5. (Original) The message routing method of claim 1, wherein a context to an invocation
2 includes a topic for said message.

1 6. (Original) The message routing method of claim 1, wherein a context to an invocation
2 includes billing responsibility for said invocation.

1 7. (Original) The message routing method of claim 1, wherein said message routing
2 network controls at least part of an invocation.

1 8. (Original) The message routing method of claim 1, wherein a context of an invocation is
2 included at least in part in a header element of a message.

1 9. (Original) The message routing method of claim 1, wherein a context of an invocation is
2 included at least in part in a body element of a message.

1 10. (Original) The message routing method of claim 1, wherein a context of an invocation is
2 included at least in part in an attachment of a message.

1 11. (Original) The message routing method of claim 1, further comprising restoring said
2 context, upon return from said second service invocation, to said first context.

1 12. (Original) The message routing method of claim 1, further comprising adding a returned
2 context from said second service invocation to said restored context.

1 13. (Currently Amended) A computer program product, stored on a machine-readable
2 medium, comprising instructions operable to cause a computer to:

3 invoke a first service during a logical routing of an application-level message in a
4 message routing network, said message routing network being built on an open platform
5 overlaying a public network and managing a plurality of services, each of said services
6 being accessible by a plurality of services according to properties and permissions
7 associated with each service in said plurality of services, said logical routing allowing said
8 first service to act on said message without said message being physically delivered to said
9 first service over said public network, said first service invocation having a first context; and

10 invoke a second service during said logical routing of said message in said message
11 routing network, said logical routing allowing said second service to act on said message
12 without said message being physically delivered to said second service over said public
13 network, said second service invocation having a second context that is defined at least in part
14 by said first service.

1 14. (Currently Amended) A message routing system, comprising:
2 a message routing network that enables routing of application-level messages between a
3 plurality of services, said message routing network being built on an open platform
4 overlaying a public network, wherein said routing is based on a logical routing of said message
5 that is effected through a sequence of invocations among said plurality of services, said logical
6 routing allowing services to be invoked without the messages being physically delivered to
7 one or more of the services among the plurality of services, wherein a context of an
8 invocation is defined at least in part by an invoking service, wherein upon return from a service
9 invocation, said message routing network restores a message context to a context state of an
10 invoking service of said service invocation.

1 15. (Original) The message routing system of claim 14, wherein a context of an invocation is
2 defined at least in part by a header of a message.

1 16. (Original) The message routing system of claim 14, wherein a context to an invocation
2 includes an identity of an invoker service.

1 17. (Original) The message routing system of claim 14, wherein a context to an invocation
2 includes arguments to an invoked service.

1 18. (Original) The message routing system of claim 14, wherein a context to an invocation
2 includes a session identifier for said message.

1 19. (Original) The message routing system of claim 14, wherein a context to an invocation
2 includes a topic for said message.

1 20. (Original) The message routing system of claim 14, wherein a context to an invocation
2 includes billing responsibility for said invocation.

1 21. (Original) The message routing system of claim 14, wherein said message routing
2 network controls at least part of an invocation.

1 22. (Original) The message routing system of claim 14, wherein said logical routing occurs
2 prior to a physical routing of a message.

1 23. (Original) The message routing system of claim 14, wherein at least part of said logical
2 routing occurs after initiation of a physical routing of a message.

1 24. (Original) The message routing system of claim 14, wherein physical routing of a
2 message occurs at identified points during said logical routing.

1 25. (Original) The message routing system of claim 14, wherein a context of an invocation is
2 included at least in part in a header element of a message.

1 26. (Original) The message routing system of claim 14, wherein a context of an invocation is
2 included at least in part in a body element of a message.

1 27. (Original) The message routing system of claim 14, wherein a context of an invocation is
2 included at least in part in an attachment of a message.

1 28. (Currently Amended) A message routing method, comprising:
2 (a) invoking a first service that receives only logical delivery of an application-level
3 message, said logical delivery allowing said first service to act on said message without said
4 message being physically delivered to said first service ~~said application-level message being~~
5 ~~received over a public network~~, wherein said first service invocation has a first context defined
6 at least in part by a first invoking service;
7 (b) invoking a second service, said second service invocation having a second context
8 that is defined at least in part by said first service, wherein said second service invocation is
9 managed by a message routing network on behalf of said first service, said message routing
10 network being built on an open platform overlaying a public network; and
11 (c) delivering said message having said second context to said second service over said
12 public network.

1 29. (Original) The message routing method of claim 28, wherein a context of an invocation is
2 defined at least in part by a header of a message.

1 30. (Original) The message routing method of claim 28, wherein a context to an invocation
2 includes an identity of an invoker service.

1 31. (Original) The message routing method of claim 28, wherein a context to an invocation
2 includes arguments to an invoked service.

1 32. (Original) The message routing method of claim 28, wherein a context to an invocation
2 includes a session identifier for said message.

1 33. (Original) The message routing method of claim 28, wherein a context to an invocation
2 includes a topic for said message.

34. (Original) The message routing method of claim 28, wherein a context to an invocation
includes billing responsibility for said invocation.